

***Third LEEM/PEEM Workshop***  
***May 14-17, 2002***  
***Albuquerque, New Mexico - USA***

**First Announcement and Call for Papers**

The 3rd LEEM/PEEM Workshop will be held at the Hyatt Regency Hotel in Albuquerque, NM, from Tuesday, May 14 to Friday, May 17, 2002. This Topical Conference of the American Vacuum Society will provide a forum for the dissemination and discussion of new research results related to the instrumentation, application and theory of cathode lens microscopy including LEEM, PEEM, XPEEM, MEM and related techniques. The purpose of the workshop is to review the present state of the field, to exchange experience between researchers, and to introduce interested scientists into LEEM/PEEM research. Representative topics include instrumentation (e.g., LEEM basics, electron energy analyzers, spin polarized LEEM, x-ray magnetic dichroism microscopy); applications (e.g., epitaxial growth, surface etching, catalysis, surface self-assembly, phase transitions, step dynamics, magnetic storage); theory (e.g., contrast mechanisms, layer spacing determination); and future directions.

The conference will follow the format of the previous two meetings with twenty-minute, oral contributed presentations followed by five- to ten-minute discussion periods. This year's meeting features five Distinguished Guest Lectures from scientists working in fields related to LEEM and PEEM. All presenters will be asked to publish their results in a special Conference Proceedings volume. **Abstract Deadline: March 14, 2002.**

**Distinguished Guest Lectures**

To encourage interactions between researchers in the LEEM/PEEM community and those in related fields, the 3rd LEEM/PEEM Workshop will offer five Distinguished Guest Lectures, each thirty minutes in length, followed by ten minutes of discussion. The Distinguished Guest Lecturers for this year are:

- Philip E. Batson, IBM T. J. Watson Research Center, "New Developments in Electron Optics"
- Barney Doyle, Sandia National Laboratories, "Ion-Stimulated Electron Emission Microscopies"
- Franz Himpsel, University of Wisconsin at Madison, "Quantum Size Effects"
- Ronald Imbihl, University of Hannover, "Catalytic Reactions on Surfaces"
- Hans Peter Oepen, University of Hamburg, "SEMPA"

**Committees**

**Local Organizing Committee**

Gary L. Kellogg, Chair  
Laura Scott, Conference Secretary  
Brian Swartzentruber  
George Vizkelethy  
Raoul van Gastel

**International Advisory Committee**

Michael Altman, Hong Kong  
Ernst Bauer, USA  
Hans-Joachim Ernst, France  
Gary Kellogg, USA  
Rudolf Tromp, USA

## Abstract Submission

The format of the abstracts is as follows: It may occupy no more than one full A4 or 8.5"-x-11" page. It should have a minimum of 3-cm margins at the top and left side and 2-cm margins at the right side and bottom. The heading should include title, author(s), affiliation, and postal and e-mail addresses. The name of the intended speaker should be underlined. Authors are urged to fill the remainder of the page using single-spaced lines (12-point type is preferred) to provide the maximum information for conference participants. The abstracts should be carefully prepared because they will be photocopied without editing. Figures (drawings and photographs) may be included, but color figures will be reproduced as black-and-white in the abstract book. Please convert your abstract to a PDF file as explained on our web page ([http://www.sandia.gov/surface\\_science/leem/](http://www.sandia.gov/surface_science/leem/)) and send it as an attachment to an e-mail to the conference secretary at [lascott@sandia.gov](mailto:lascott@sandia.gov). **The abstract deadline is March 14, 2002.**

## Meeting Location

**Lodging:** The meeting will be held at the Hyatt Regency Hotel located in downtown Albuquerque. Participants are requested to make their own reservations. The Hyatt Regency may be contacted at:

Hyatt Regency Reservations: 800-233-1235

Hyatt Regency Albuquerque: 505-842-1234

Internet: [http://www.hyatt.com/usa/albuquerque/hotels/hotel\\_albuq.html](http://www.hyatt.com/usa/albuquerque/hotels/hotel_albuq.html)

When making reservations, please identify yourself as a member of the following group:

### Sandia National Laboratories - LEEM Workshop

Be sure to receive the following conference rates:

Single:	\$65.00+tax per night
Double:	\$75.00+tax per night
Triple	\$85.00+tax per night
Quad:	\$95.00+tax per night

**Transportation:** The Albuquerque International Sunport is a major airport and is accessible by most carriers. The Hyatt, located in downtown Albuquerque, is a convenient 10-minute ride from the airport.

**Meals, Social Functions, and Amenities:** In addition to the scientific program, the local organizers are planning a reception on Monday evening, May 13, an excursion to Santa Fe on Wednesday afternoon, May 15, and a conference dinner on Thursday, May 16. The conference will end at noon on Friday, May 17.

## For More Information Contact

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Or visit our website at : [http://www.sandia.gov/surface\\_science/leem/](http://www.sandia.gov/surface_science/leem/)